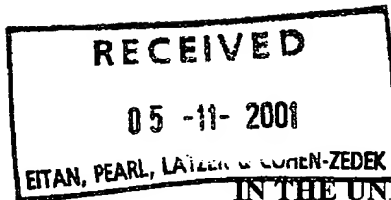


#6 12-10-1



Patent
P-3584-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): BARLEV, et. al.

SERIAL NO.: 09/510,550

FILED: February 22, 2000 GROUP ART UNIT: 2713

FOR: HIGH SPEED ACCESS SYSTEM OVER COPPER CABLE
PLANT

POWER OF ATTORNEY AND
REVOCATION OF PRIOR POWERS BY ASSIGNEE

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

ACTELIS NETWORKS, INC., the assignee of record of the entire right, title and interest in and to the above-identified Application, hereby revokes any and all prior Powers of Attorney;

and hereby appoints the following attorneys and/or agents with full Power of Substitution and Revocation to prosecute this Application, to make alterations and amendments therein, to receive the patent and to transact any and all business in or with the United States Patent and Trademark Office in connection therewith, provided that if any one of said attorneys or agents ceases being affiliated with the law firm of Eitan, Pearl, Latzer & Cohen-Zedek as partner, employee or of counsel, such attorney's or agent's appointment as attorney or agent and all powers derived therefrom shall terminate on the date such attorney or agent ceases being so affiliated.

Heidi M. Brun

Reg. No. 34,504

Daniel Swirsky

Reg. No. 45,148

BEST AVAILABLE COPY

Mark S. Cohen	Reg. No. 42,425
Rochel L. Abboudi	Reg. No. 44,490
Vladimir Sherman	Reg. No. 43,116
David Klein	Reg. No. 41,118
Adele Marcus	Reg. No. 47,769
Caleb Pollack	Reg. No. 37,912

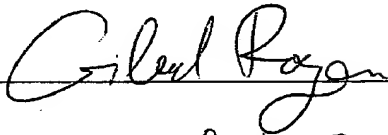
Please send all correspondence and direct all telephone calls to:

Eitan, Pearl, Latzer & Cohen-Zedek
One Crystal Park, Suite 210
2011 Crystal Drive
Arlington, VA 22202-3709
Tel.: (703) 486-0600
Fax: (703) 486-0800

Attached to this paper is a STATEMENT UNDER 37 CFR 3.73(b).

Respectfully submitted,

Date: 29 OCT 2001 By


Name: Gilad Rozen
Title: VP Technology

S/N 09/144,039

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Barlev, et. al.		
Serial No.:	09/510,550	Group Art Unit:	2713
Filed:	February 22, 2000	Docket No.:	P-3584-US
Title:	HIGH SPEED ACCESS SYSTEM OVER COPPER CABLE PLANT		

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

ACTELIS NETWORKS LTD., a corporation organized and existing under the laws of Israel, having a place of business 6150 Stevenson Blvd., Fremont, CA 94538, USA certifies that it is the assignee of the entire right, title and interest in and to the patent application identified above by virtue of either:

A. ☒ An assignment from the inventor of the patent application identified above. The assignment was recorded in the Patent and Trademark Office on **June 27, 2000**, at Reel **010885**, Frame **0178**.

B. ☐ A chain of title from the inventor(s) of the patent application identified above to the current assignee as shown below:

1. From: To:

The document was recorded in the Patent and Trademark Office at Reel , Frame(s) , or for which a copy thereof is attached.

2. From: To:

The document was recorded in the Patent and Trademark Office at Reel , Frame(s) , or for which a copy thereof is attached.

3. From: To:

The document was recorded in the Patent and Trademark Office at Reel , Frame(s) , or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental

☐ Copies of assignments or other documents in chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 24 OCT 2001

By:

Cited Rogers

Name:

Cited Rogers

Title:

VP Technology

ASSIGNMENT

WHEREAS, WE,

<u>Inventor Name</u>	<u>Address</u>	<u>Nationality</u>
Tuvia Barlev	56 Keshet St., Rosh HaAyin, Israel	Israel
Arkady Molev Shtayman	5B David Hamelech St., Bnai Brak, Israel	Israel
Amir Kanchuk	7 Haetzel St., Ramat Gan, Israel	Israel
Gilad Rozen	35 Hahagana St., Herzelia, Israel	Israel
Ishai Ilani	Dolev DN, Modiin, Israel	Israel
Ofer Sharon	34 Hatizmoret St., Rishon Letzion, Israel	Israel
Robert Shilton	126 Hahagana St., Ra'anana, Israel	Israel

hereinafter called 'Assignors', have made certain inventions in

HIGH SPEED ACCESS SYSTEM OVER COPPER CABLE PLANT

described in an application for Letters Patent filed by us on February 22, 2000 as United States Application Number 09/510,550, and

WHEREAS,

Actelis Networks Inc.
1301 Marina Village Pkwy
Suite 320
Alameda CA 94501

a Delaware corporation, hereinafter called 'Assignee', is desirous of securing an undivided One Hundred Percent (100%) of the entire right, title and interest in and to the said inventions, applications and Letters Patent, when granted, and in and to any divisions, continuations, continuations-in-part, improvements, reissues or extensions that may be granted on any of them;

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid by the said Assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the Assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over unto the said Assignee, its successors and assigns, an undivided One Hundred Percent (100%) of the entire right, title and interest throughout the world in and to the said inventions, applications, Letters Patent, when granted, and in and to any divisions, continuations, continuations-in-part, improvements, reissues or extensions that may be made or granted on any of them;

TO HAVE AND TO HOLD the same to the full end of the term or terms for which said Letters Patent may be granted, as fully and completely as the same might be held by us had this sale and assignment not been made.

For the consideration aforesaid, we hereby covenant and agree to and with the said Assignee, its successors and assigns what whenever its counsel or representative, or the counsel or representative of its successors or assigns, shall advise of, or any other proceeding or action in connection with said application or inventions, including

interference proceedings, is lawful and desirable, or that a reissue or continuation, continuation-in-part or extension of said Letters Patent is lawful and desirable, we will sign all lawful papers and drawings, execute all divisional, continuation, reissue and substitute applications, take all rightful oaths and affidavits, testify in any legal proceedings, and do all acts necessary or required to be done for the reissue of continuation, continuation-in-part or extension of same, and will do all acts necessary or required to secure to the said Assignee, its successors and assigns, the title to and full benefit of all rights hereby assigned, without charge to said Assignee or its successors or assigns, but at its or their expense.

AND the Commissioner of Patents and Trademarks is requested to issue the said Letters Patent, when granted, in accordance with this sale and assignment.

For the consideration aforesaid, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto the said Assignee, its successors and assigns, or the nominees of any of them, an undivided One Hundred Percent (100%) of the entire right, title and interest in and to any and all Letters Patent for said inventions which may be granted in countries foreign to the United States, and in and to any applications for Letters Patent which may be filed for said inventions in countries foreign to the United States, and in and to the inventions described in said applications; and we hereby authorize and empower said Assignee and its successors, assigns or nominees, to apply for Letters Patent or other form of protection on said inventions in its own name or in the name of its successors, assigns or nominees, in any or all countries where it may desire to file such applications, and where said applications may be filed by other than the inventor; and we hereby covenant and agree to sign all papers and drawings, take all rightful oaths, execute all rightful affidavits, and do all acts necessary or required to be done for the procurement and maintenance of Letters Patent or other form of protection for said inventions in countries foreign to the United States, and for further investing or confirming the right and title thereto in the Assignee, its successor, assigns or nominees, but at its or their expense.

x TUVIA BARLEV
Tuvia Barlev

Witnessed By: x [Signature] Date: x 25/05/2000

Witnessed By: x Hila Motola Date: x 25/05/2000

x [Signature]
Arkady Molev Shtayman

Witnessed By: x [Signature] Date: x 25/05/2000

Witnessed By: x Hila Motola Date: x 25/05/2000

x Amir Kanchuk
Amir Kanchuk

Witnessed By: x SHARON PELEG ~~AS~~ Date: x 19.6.00

Witnessed By: x Galit Sholder Date: x 19.6.00

x Gilad Rozen
Gilad Rozen

Witnessed By: x SHARON PELEG ~~AS~~ Date: x 19.6.00

Witnessed By: x Galit Sholder Date: x 19.6.00

x Ishai Ilani
Ishai Ilani

Witnessed By: x SHARON PELEG ~~AS~~ Date: x 19.6.00

Witnessed By: x Galit Sholder Date: x 19.6.00

x OFER SHARON
Ofar Sharon

Witnessed By: x SHARON PELEG ~~AS~~ Date: x 19.6.00

Witnessed By: x Galit Sholder Date: x 19.6.00

x Robert Shilton
Robert Shilton

Witnessed By: x SHARON PELEG ~~AS~~ Date: x 19.6.00

Witnessed By: x Galit Sholder Date: x 19.6.00

EITAN, PEARL, LATZER & COHEN-ZEDEK

ADVOCATES, NOTARIES AND PATENT ATTORNEYS

Via: ☒ 8 pages via FAX
(Advance Notice)
☐ Confirmation via Courier

Main Office - 2 Gav Yam Center
7 Shenker St., Herzlia 46725 ISRAEL
PO Box 12688, Herzlia 46733 ISRAEL

Telephone: 972 - 9 - 970 9000
Facsimile: 972 - 9 - 970 9001
E-mail: main@technolawgy.co.il

ORDER LETTER

Date: 27 November 2001
Case No. P-3584-US

TO: David Hunt
Landon & Stark Associates Inc.
One Crystal Park, Suite 210
2011 Crystal Drive
Arlington, VA 22202-3709, U.S.A.

Facsimile No.: 1-703-892-4510

COPY



Re: US Patent Application

Applicant(s): BARLEV

US Serial No.: 09/510,550

US Filing Date: February 22, 2000

Title: HIGH SPEED ACCESS SYSTEM OVER

COPPER CABLE PLANT

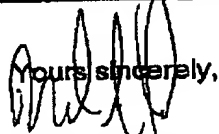
Our reference: P-3584-US

Please file with the United States Patent and Trademark Office **TODAY** the following documents:

	Enclosed	Follows	Please Supply
1. Power of Attorney and Revocation of Prior Powers of Assignee	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Certificate Under 37 CFR 3.73(b)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Copy of Assignment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Duplicate copy of this order letter for stamping by the U.S. Patent Office	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

REMARKS/SPECIAL INSTRUCTIONS:

Please confirm receipt, as well as filing these documents, by return facsimile to: 972-9-970-9001.


Yours sincerely,

Mark S. Cohen
EITAN, PEARL, LATZER & COHEN-ZEDEK

Applicant(s): BARLEV, Tuvia et al.		EPLC Docket No.: P-3584-US
Serial No. /Patent No.: 09/510,550		Hand Delivered on: October 31, 2002
Title: HIGH SPEED ACCESS SYSTEM OVER COPPER CABLE PLANT		
1. <input type="checkbox"/> Provisional Cover Sheet	9. <input type="checkbox"/> Response to Notice to File Missing Parts	
2. <input type="checkbox"/> Utility Patent Application Transmittal	10. <input type="checkbox"/> Response to Notice of Incomplete Reply	
3. <input type="checkbox"/> RCE Transmittal Sheet	11. <input type="checkbox"/> Request for Correction of Filing Receipt	
4. <input type="checkbox"/> Fee Transmittal Sheet	12. <input type="checkbox"/> Information Disclosure Statement including: - Form PTO 1449 and references _____	
5. <input type="checkbox"/> Patent Application Under 35 USC 111(a)	13. <input type="checkbox"/> Preliminary Amendment	
<input type="checkbox"/> Provisional Patent Application Under 35 USC 111(b)		
<input type="checkbox"/> Transmittal Sheet for Entering National Phase	14. <input type="checkbox"/> Response to Office Action dated _____	
Containing:	15. <input type="checkbox"/> Petition for a One Month(s) Extension of Time	
_____ Pages of Specification	16. <input type="checkbox"/> Notice of Appeal <input type="checkbox"/> Appeal Brief _____	
_____ Pages of Claims	17. <input type="checkbox"/> Issue Fee Transmittal <input type="checkbox"/> Publication Fee	
_____ Page of Abstract	18. <input type="checkbox"/> Submission of Formal Drawings: Two sets of _____ _____ Sheets containing Figs. _____	
_____ Pages of Formal Drawings	19. <input type="checkbox"/> Certified Copy of Priority Doc.	
_____ Pages of _____	20. <input type="checkbox"/> Claim for Convention Priority	
6. <input type="checkbox"/> Signed Declaration & Power of Attorney	21. <input type="checkbox"/> Revocation and Power of Attorney, including: - Statement Under 37 CFR 3.73(b) - Copy of Assignment	
7. <input type="checkbox"/> Request for Correction of Recordation of Assign. and: - Recordation Cover Sheet - Copy of Notice of Recordation of Assign.	22. <input checked="" type="checkbox"/> Other: <u>Change of Correspondence Address</u>	
8. <input type="checkbox"/> Recordation of Assign. Cover Sheet & Signed Assign.		



MRD
6-27-00

REC

10-04-2000



101466783

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents

original documents or copy thereof.

1. Name of conveying party(ies):

Tuvia Barlev, Arkady Molev Shtayman, Amir Kanchuk,
Gilad Rozen, Ishai Ilani, Ofer Sharon and Robert Shilton

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

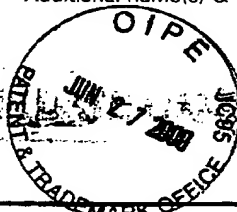
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

Execution Date: Barlev, Shtayman, - May 25, 2000
Kanchuk, Rozen, Ilani, Sharon and Shilton - June 19, 2000

2. Name and address of receiving party(ies):

Name: ACTELIS NETWORKS INC.
1301 Marina Village Parkway
Suite 320
Alameda, CA 94501 U.S.A.

Additional name(s) & address(es) attached? ☐ Yes ☒ No



4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/510,550 filed February 22, 2000

B. Patent No.(s)



Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Darby & Darby P.C.

Street Address: 805 Third Avenue, 27th Floor

City: New York State: New York Zip: 10022-7513

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

04-0100

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

S. PETER LUDWIG

Name of Person Signing

Signature

June 22, 2000

Date

Total number of pages including cover sheet, attachments, and document:

4

ASSIGNMENT

WHEREAS, WE,

<u>Inventor Name</u>	<u>Address</u>	<u>Nationality</u>
Tuvia Barlev	56 Keshet St., Rosh HaAyin, Israel	Israel
Arkady Molev Shtayman	5B David Hamelech St., Bnai Brak, Israel	Israel
Amir Kanchuk	7 Haetzel St., Ramat Gan, Israel	Israel
Gilad Rozen	35 Hahagana St., Herzelia, Israel	Israel
Ishai Ilani	Dolev DN, Modiin, Israel	Israel
Ofer Sharon	34 Hatizmoret St., Rishon Letzion, Israel	Israel
Robert Shilton	126 Hahagana St., Ra'anana, Israel	Israel

hereinafter called 'Assignors', have made certain inventions in

HIGH SPEED ACCESS SYSTEM OVER COPPER CABLE PLANT

described in an application for Letters Patent filed by us on February 22, 2000 as United States Application Number 09/510,550, and

WHEREAS,

Actelis Networks Inc.
1301 Marina Village Pkwy
Suite 320
Alameda CA 94501

a Delaware corporation, hereinafter called 'Assignee', is desirous of securing an undivided One Hundred Percent (100%) of the entire right, title and interest in and to the said inventions, applications and Letters Patent, when granted, and in and to any divisions, continuations, continuations-in-part, improvements, reissues or extensions that may be granted on any of them;

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid by the said Assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the Assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over unto the said Assignee, its successors and assigns, an undivided One Hundred Percent (100%) of the entire right, title and interest throughout the world in and to the said inventions, applications, Letters Patent, when granted, and in and to any divisions, continuations, continuations-in-part, improvements, reissues or extensions that may be made or granted on any of them;

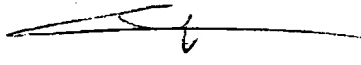
TO HAVE AND TO HOLD the same to the full end of the term or terms for which said Letters Patent may be granted, as fully and completely as the same might be held by us had this sale and assignment not been made.

For the consideration aforesaid, we hereby covenant and agree to and with the said Assignee, its successors and assigns what whenever its counsel or representative, or the counsel or representative of its successors or assigns, shall advise of, or any other proceeding or action in connection with said application or inventions, including

interference proceedings, is lawful and desirable, or that a reissue or continuation, continuation-in-part or extension of said Letters Patent is lawful and desirable, we will sign all lawful papers and drawings, execute all divisional, continuation, reissue and substitute applications, take all rightful oaths and affidavits, testify in any legal proceedings, and do all acts necessary or required to be done for the reissue of continuation, continuation-in-part or extension of same, and will do all acts necessary or required to secure to the said Assignee, its successors and assigns, the title to and full benefit of all rights hereby assigned, without charge to said Assignee or its successors or assigns, but at its or their expense.

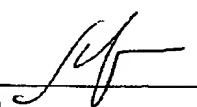
AND the Commissioner of Patents and Trademarks is requested to issue the said Letters Patent, when granted, in accordance with this sale and assignment.

For the consideration aforesaid, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto the said Assignee, its successors and assigns, or the nominees of any of them, an undivided One Hundred Percent (100%) of the entire right, title and interest in and to any and all Letters Patent for said inventions which may be granted in countries foreign to the United States, and in and to any applications for Letters Patent which may be filed for said inventions in countries foreign to the United States, and in and to the inventions described in said applications; and we hereby authorize and empower said Assignee and its successors, assigns or nominees, to apply for Letters Patent or other form of protection on said inventions in its own name or in the name of its successors, assigns or nominees, in any or all countries where it may desire to file such applications, and where said applications may be filed by other than the inventor; and we hereby covenant and agree to sign all papers and drawings, take all rightful oaths, execute all rightful affidavits, and do all acts necessary or required to be done for the procurement and maintenance of Letters Patent or other form of protection for said inventions in countries foreign to the United States, and for further investing or confirming the right and title thereto in the Assignee, its successor, assigns or nominees, but at its or their expense.

x TUVIA BARLEV 
Tuvia Barlev

Witnessed By: x  Date: x 25/05/2000

Witnessed By: x Hila Motela Date: x 25/05/2000

x Arkady Molev Shtayman 

Witnessed By: x  Date: x 25/05/2000

Witnessed By: x Hila Motela Date: x 25/05/2000

x Amir Kanchuk
Amir Kanchuk

Witnessed By: x SHARON PELEG ~~AS~~ Date: x 19.6.00

Witnessed By: x Galit Sholder Date: x 19.6.00

x Gilad Rozen
Gilad Rozen

Witnessed By: x SHARON PELEG ~~AS~~ Date: x 19.6.00

Witnessed By: x Galit Sholder Date: x 19.6.00

x Ishai Ilani
Ishai Ilani

Witnessed By: x SHARON PELEG ~~AS~~ Date: x 19.6.00

Witnessed By: x Galit Sholder Date: x 19.6.00

x OFER SHARON
Ofer Sharon

Witnessed By: x SHARON PELEG ~~AS~~ Date: x 19.6.00

Witnessed By: x Galit Sholder Date: x 19.6.00

x Robert Shilton
Robert Shilton

Witnessed By: x SHARON PELEG ~~AS~~ Date: x 19.6.00

Witnessed By: x Galit Sholder Date: x 19.6.00

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER: _____**

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.